

Claims

[1] A face imaging device in which an illumination light source for illuminating a visible light to a face is disposed in a casing having an opening formed at the front thereof for inserting the face as an object to be imaged, a light diffusion plate is disposed between the opening and the illumination light source for diffusing a light illuminated from the illumination light source to the front side of the face, and an imaging camera for imaging the face through a permeation hole formed in the light diffusion plate is located at the back thereof, including

a face holding mechanism for holding the face as an object at a focused focal point of the imaging camera by a head support member capable of adjusting the forward-to-backward and vertical positions for restricting the position of a head by abutment against a head top non-observation region of the face inserted in the casing, and a jaw rest for restricting the position of the jaw in accordance with the imaging direction such that the front and the right or left cheeks of the face are faced to the imaging camera, and

a light shielding body located between the illumination light source and the imaging camera for shielding a light incident to the imaging camera without transmitting the permeation hole, among the lights

illuminated from the illumination light source.

[2] A face imaging device in which an illumination light source for illuminating a illumination light to a face is disposed in a casing having an opening formed at the front thereof for inserting the face as an object to be imaged, a light diffusion plate is disposed between the opening and the illumination light source for diffusing a light illuminated from the illumination light source to the front side of the face, and an imaging camera for imaging the face through a permeation hole formed in the light diffusion plate is located at the back thereof, including

a light shielding body located between the illumination light source and the imaging camera for shielding a light incident to the imaging camera without transmitting the permeation hole, among the lights illuminated from the illumination light source.

[3] A face imaging device according to claim 1 or 2, wherein the light shielding body is formed of a reflection mirror for reflecting a light diverged from the illumination light source toward the imaging camera to the diffusion plate.

[4] A face imaging device according to claim 1 or 2, wherein a UV-light source for directly illuminating a UV-

light to the face inserted into the opening and an auxiliary light source for directly illuminating an auxiliary illumination light for focusing the imaging camera are located out of the imaging area of the imaging camera and at a position not in the shade of the light diffusion plate as viewed from the opening.

[5] A face imaging device in which an imaging camera for imaging a face is disposed in a casing an opening formed for inserting a face as an object to be imaged, including

a face holding mechanism for holding the face as an object at a focused focal point of the imaging camera by a head support member capable of adjusting the forward-to-backward and vertical positions for restricting the position of a head by abutment against a head top non-observation region of the face inserted in the casing, and a jaw rest for restricting the position of the jaw in accordance with the imaging direction such that the front and the right or left cheeks of the face are faced to the imaging camera.

[6] A face imaging device according to claim 1 or 5, wherein the protrusion abutted against the back of a lower jawbone is formed to the jaw rest.

[7] A face imaging device according to claim 1 or 5,

wherein the jaw rest comprises a plurality of jaw rest portions arranged in accordance with the imaging direction.

[8] A face imaging device according to claim 1 or 5, wherein the jaw rest includes a jaw rest portion disposed so as to be movable rightwards and leftwards in accordance with the imaging direction.

[9] A face imaging device according to claim 1 or 5, wherein the head support member supports the head top non-observation region of the face at one point and is disposed so as to be movable rightwards and leftwards in accordance with the imaging direction.

[10] A face imaging device according to claim 1 or 5, wherein the head support member supports the head top non-observation region of the face at two right and left points.

[11] A face imaging device according to claim 1, including a color temperature variable light source as the illumination light source, a color temperature detection sensor for detecting the color temperature of the illumination light, and a control device for variably controlling the color temperature of the illumination light source to a predetermined aimed color temperature based on the detected

color temperature.

[12] A face imaging device according to claim 11, wherein two or more kinds of light sources for illuminating lights of different color temperatures are provided as the color temperature variable light sources and the color temperature is controlled by the ratio of the light amount for each of the light sources.

[13] A face imaging device according to claim 1 including an illuminance/color temperature variable light source as the illumination light source, an illuminance sensor and a color temperature detection sensor for detecting the illuminance and the color temperature of the illumination light and a control device for variably controlling the illuminance and the color temperature of the illumination light source to aimed illuminance and aimed color temperature based on the detected color temperature.

[14] A face imaging device according to claim 13, wherein two or more kinds of light sources for illuminating lights of different color temperatures are provided as the illuminance/color temperature varying light source, the color temperature is controlled by the ratio of the light amount of each of the light sources, and the illuminance is controlled

by the sum of the light amount.